

## 

Work Order#_	Job #	Activity #			
<ol> <li>Work requ</li> </ol>	uester fills out this section	STANDING WORK PERMIT			
Requester: P K coon Date: 4/2/04 Ext. 5/14 Dept/Div/Group: PO/PHENIX					
. Other Contact	t person (if different from requester): S.	ct. <u>5//4</u> Dept/Div/Group: <u>Po/PHEN/X</u>			
Outer Contact	I Coordinator P. KROON	MARINO Ext. 3704			
Description of	f World / Droblam, Q- A A A	Start Date 4/5/04 Est. End Date 4/7/04			
Description of	I WORK / Problem: <u>Kemove and repr</u>	ace alastonia and Pour alast			
7.7.0.07.7.0	TO THE STATE OF MUCH MAGN	APC - (NOCK 1217) he appletion of the VIII			
<u>lesi icieq</u>	access period, using The PHEN	ix vertical man-lift.			
Duilding 14	AAD D TO TO				
Building 15					
2. Work requ	uester, service provider, and ES&H (as ne	cessary) fill out this section or attach analysis			
ES&H Analys	sis	section of anach analysis			
RADIATION CON	NCERNS NONE   LActivation   LAirborne	e [ ] Contamination [ ] Radiation [ ] OTHER			
[ ] Special nu	uclear materials involved, notify Isotope Special Materials Grou	up [ ] Fissionable materials involved, notify Laboratory Criticality Officer			
SAFETY CONCE	RNS I INONE	and a second of the second of			
[ ] Adding/F	Removing [ ] Confined Space* [ ] Explosives	1 Department Fin Well			
Walls or	Roofs [] Corrosive [VFlammable 6775]	Detected   Lead   Penetrating Fire Wall   Pressurized Systems			
[ ] Asbestos* [ ] Beryllium	[ ] t ame a term of the	Rigging/Critical Lift			
[ ] Biohazard	1* [   Elevated Work* [ ] Hydraulic	[ ] Noise* [ ] Toxic Materials* [ ] Non-ionizing Radiation [ ] Vacuum			
[ ] Chemicals	s* [ ]Excavation [ ]I acere*	[ 10mman Deficient			
	ork require medical clearance or surveillance from the Occupation	onal Medicine Clinic? [ ] Yes [ No			
ENVIRONMENTA		[ ] Work impacts Environmental Permit No.			
[ ] Atmospher	eric Discharges (rad/non-rad) [ ] Liquid Discharges	Soil activation/contamination [ ] Worth Mired			
[ ] Cesspools	or Rad Material Storage or Use [ ] Oil / PCB Management [ ] Protected areas / species	[] Waste - Clean [] Waste - Radioactive			
[ ] High water	Protected areas / species	I I Waste Regulated Medical			
Waste disposit	- / // - / - / - / - / - / - / - / - /	[ ] OTHER			
	EVENTION (P2) / WASTE MINIMIZATION OPPORTUNI	- Ar · · ·			
<b>Facility Conce</b>	erns Lythone	ITY: [I] None [ ] Yes			
[ ] Access/Eg	gress Limitations [ ] Impacts Facility Use Agreement	[ ] Temperature Change [ ] OTHER			
[ ] Configurat	tion Control [ ] Maintenance Work on Ventilation Sy	ystems [ ] Utility Interruptions			
[ ] Electrical I	Noise [ ] Potential to Cause a False Alarm	[ ] Vibrations			
Work Control	<del>_</del>				
WORK PRACTICES	[ ] NONE [ ] Exhaust Ventilation	[ TLockout/Tagout Maguinter ] Spill Containment			
IMACILLA	[ ] Back-up Person/Watch [ ] HP Coverage [ ] Barricades [ ] IH Survey	[ ] Posting/Warning Signs [ ] Time Limitation			
PROTECTIVE	( ) NOVE	[ ] Scaffolding - requires inspection [ ] Warning alarm (i.e. "high level")			
EQUIPMENT	[ ] NONE [ ] Ear Plugs [ ] Gloves [ ] Coveralls [ ] Ear Muffs [ ] Goggles	[ ] Lab Coat [ ] Safety Glasses			
	[ ] Coveralls [ ] Ear Muffs [ ] Goggles [ ] Disposable Clothing [ ] Face Shield [ ] Hard Hat	1 3 4 4 4 4 4			
PERMITS		[ ] 0.1.1.1.1			
REQUIRED	Initial next to box to show who has responsibility to generate	the permit. Permits must be valid when job is scheduled.			
(Please attach)	[ ] Concrete/Masonry Penetration [ ] Digging/Core I	f 1 mpmr 1 ne 1 totechon 3 /stems			
	[ ] Confined Space Entry [ ] Electrical World	Drilling [ ] Rad Work Permit - RWP No king Hot [ ] OTHER			
DOSIMETRY/	r wrong	F. I'm Armi Art.			
MONITORING	[ ] Air Effluent [ ] Noise Survey/Dosimeter	[ ] Real Time Monitor [ ] TLD [ ] Self-reading Pencil Dosimeter [ ] Waste Characterization			
	[ ] Ground Water [ ] O <sub>2</sub> /Combustible Gas	[ ] Self-reading Pencil Dosimeter [ ] Waste Characterization [ ] OTHER			
	Liquid Effluent       Passive Vapor Monitor	[ ] Sorbent Tube/Filter Pump			
Training Requirements (List below any location specific training requirements)					
variety operate thanks requirements)					
ased on analysis	above, the Walkdown Team determines the risk, complex	xity, and coordination ratings below.			
ESOCIL KISK FEA	vei:LOWHIGH	Note: If all the ratings are LOW, the Work Control Coordinator			
'omplexity Lev		and Service Provider must sign for concurrence on the back side.			
Work Coordina	tion:LOWMODERATEHIGH	Further review of the work permit is not required. If any ratings			
EII E CODE		are MODERATE or HIGH, the entire permit must be completed.			

Work Plan: (procedures, tin	ning, equipment, and personr	nel availability need to be ad	chments for detailed podressed)	ans)		
See all						
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Special Working Conditions I	Required: Nove					
Operational Limits Imposed:	No					
Post Work Testing Required:				· · · · · · · · · · · · · · · · · · ·		
Job Safety Analysis Required		Wolkdown Dogwins d	V 10 27	*		
		Walkdown Required	Yes 📐 No	·		
<u>Reviewed By</u> : Primary Review job complexity. Primary Review be controlled according to BNL:	er signature means that the haz	e review team and the other sig ards and risks that could impa	natures required based on ct ES&H have been identifi	hazards and ed and will		
Title	Name (print)	//Signature	Life#	. Date		
Primary Reviewer	Arthur Dilipor		1,9661	4/2/04		
ES&H Professional	P. Cirnigliano	1.0	21868	4/2/04		
Other Other				1		
	C. Pearson	Gelar	15245	4204		
Work Control Coordinator*	P. Kroon	Low	17500	4/2/04		
Service Provider*				++-		
*Only signatures required for co		•	Review done: in seri	es team		
4. Job site personnel fills o						
Note: Signature indicates personnel, Job Site Supervisor	performing work have read and un	derstand the hazards and permit r Contractor Supervisor	equirements (including attache	ed permits).		
Workers: Michael &	SL H0652	Workers:	Life#			
200111	<u>U8234</u>	·				
Workers are encouraged to provide t	Foodback of FV & H					
Workers are encouraged to provide f	Ecaback Gr. Egisar Concerns or on	ideas for improved fob work flow.	Use feedback form or space b	elow.		
5. Work Requester or desig		· .				
Conditions are Appropriate Name 1. Lown	Signature Vork permit	as been reviewed, work controls are in		4/5/04		
6. Work Requester determi	nes if Post Ioh Ravious is r	equired XNo	ife # 17500 Date	11.3/01		
Post Job Review:	ou of I out Job Review IS 1	ечиней <u>Л</u> 140	ies (Fill in names of rev	iewers)		
	Signature	Y 'A "				
Name:Name:	Signature	Life #:	Date:			
	\rightarro	Life #:	Date:	<del></del>		
7. Worker provides feedbac	ck .			·		
Worker Feedback:						
Total Total Control of the Control o						
				<u> </u>		
8. Work Control Coordinator (requesting dept.) checks quality of completed permit and closes out						
Closeout: Name P. KROOM	Signature No	to those I ifa	# /2500 Datas 4	1/7/04		
Comments: Didut need	To open large rollin	J. J.	11300 Date: 7	1 1107		
The Part of the Pa	12 open 1919 FOITH	9 2001				

WP# 552004-039

## Remove and Repair electronic cards from C-link/G-link crates on south muon magnet in PHENIX IR, Bldg. 1008.

This work is to be done during the three-day RHIC restricted access period, by fully trained and experienced personnel. Since the crates are located on the back of the south muon magnet (MMS) at heights of up to 26 feet, the vertical man-lift will be moved into the IR for this job, and removed upon completion. Flammable gas will be present in detectors in the IR, but not in the vicinity of the work. All work in the IR will be supervised by Sal Marino, under the cognizance of the PHENIX shift leader (SL).

- Ensure that the power to the Crates is secured and the MMS magnet power key is locked out of use (Marino, SL)).
- Ensure that the 12-ton IR Crane is locked out (Marino).
- Roll the vertical man lift into the IR through the plug door if possible. If not, the large rolling door may be opened temporarily, but closed again after the lift is inside (Marino).
- Roll the man lift into position behind the MMS and use it to access the crates (Marino, M. Leitch).
- Work will involve removal, repair and replacement of defective cards (Leitch).
- Upon completion of the work, the man lift will be removed from the IR (Marino).